

INDEX.

Ageratum lucidum, 475.
 rhytidophyllum, 476.
 stachyofolium, 476.
Alcoceria, 493.
 Pringlei, 493.
Alternating Current Waves, 319.
Archaeoplax signifera, 7.
Archibald, E. H. *See* Richards, T. W., and Archibald, E. H.
Arctostaphylos Conzattii, 497.
 glabrata, 497.
Arthropod Trails, 61.
Arthrorhynchus Cyclopodiae, 407.
 Eucampsipodae, 409.
Atomic Weights, 169; Table of, 545.
Barus, C., Award of Rumford Premium to, 520, 529.
Behr, G. E. *See* Jackson, C. L., and Behr, G. E.
Bigelowia Nelsonii, 505.
Biographical Notices, List of, 547.
 John Harrison Blake, 565.
 Charles Franklin Dunbar, 569.
 Charles Carroll Everett, 549.
 Silas Whitcomb Holman, 553.
 Nathaniel Holmes, 552.
 John Eldridge Hudson, 558.
 Sylvester R. Koehler, 556.
Bisbee, H. *See* Richards, T. W.
 McCaffrey, C. F., and Bisbee, H.
Bowers, M. A., Peripheral Distribution of the Cranial Nerves of *Spelerpes bilineatus*, 177-193.
Brickellia amblyolepis, 485.
 cardiophylla, 485.
 glomerata, 504.
 hebecarpoides, 486.
 petrophila, 486.
 petrophila, var. *umbratilis*, 487.
 vernicosa, 487.
Calcic Oxalate, 375.
Cancer, Phylogeny of, 1.
Cancer proavitus, 3.
Calea Pringlei, 488.
 Zacatechichi, 488.
Calhane, D. F. *See* Jackson, C. L., and Calhane, D. F.
California Petroleum, 255, 283.
Calochortus Pringlei, 472.
Ceraionyces, 410.
 Dahlii, 410.
Chandler, S. C., New Discovery concerning the Motion of the Earth's Pole, 538.
Chemical Laboratory of Case School of Applied Science, Contributions from, 253.
Chemical Laboratory of Harvard College, Contributions from, 73, 143, 195, 229, 331, 339, 375, 507.
Clayton, H. H., The Eclipse Cyclone and the Diurnal Cyclones, 305-318.
Cohoe, W. P. *See* Jackson, C. L., and Cohoe, W. P.
Cologania Deamii, 492.
Committee of Publication, Report of, 527.
Conyza lyrata, var. *pilosa*, 506.
Cordia Seleriana, 498.
Correspondence, 517, 534, 535, 538, 542.
Council, Report of, 547.
Crab, Fossil, 1.
Cranial Nerves of Spelerpes, 177.
Crew, H., Report of Progress to Rumford Committee, 521.
Croton Palmeri, var. *ovalis*, 493.
Cryptogamic Laboratory of Harvard University, Contributions from, 395.
Crystals, Study of Growing, 339.
Cyclones, 305.
Davis, W. M., Geographical Notes on Brittany and Devonshire, 535.
Design as a Science, 355.

Diffusivities, Thermal, of Marbles, 11.

Dimeromyces coarctatus, 410.
 crispatus, 413.
 rhizophorus, 412.

Dioscorea platycolpota, 471.

Diurnal Cyclones, 305.

Earle, R. B. *See* Jackson, C. L., and Earle, R. B.

Eclipse Cyclone, 305.

Electrical Conductivity of Iron, 119.

Eumelampodium, 456.

Eupatorium anisopodum, 477.
 araliaefolium, 477.
 Bigelovii, 477.
 conspicuum, 477.
 Coulteri, 477.
 dasycarpum, 478.
 dryophilum, 478.
 Gonzalezii, 479.
 hyssopinum, 478.
 Lemmoni, 479.
 leonense, 479.
 Liebmannii, 480.
 longifolium, 480.
 lucidum, 480.
 Luxii, 480.
 lyratum, 481.
 Mariarium, 481.
 pachypodium, 481.
 pansamalense, 482.
 pinabetense, 482.
 pleianthum, 483.
 prionobium, 483.
 prionophyllum, 484.
 quadrangulare, 484.
 viscidipes, 484.

Euphorbia calcicola, 496.
 interaxillaris, 495.
 lanceifolia, var. villicaulis, 496.
 muscicola, 495.
 potosina, 495.
 puberula, 494.

Everett, W., The Life and Works of the late Henry Sidgwick, 538.

Evolvulus Seleriana, 498.

Fellows, Associate, deceased, —
 Frederick Edwin Church, 517.
 Jacob Mandes DaCosta, 534.
 George Mercer Dawson, 539.
 James Edward Keeler, 534.
 William Mitchell, 534.
 Henry Augustus Rowland, 549.
 Edward Elbridge Salisbury, 542.

Fellows, Associate, deceased, —
 Alfred Stillé, 534.

Fellows, Associate, elected, —
 George Mercer Dawson, 531.
 Thomas Messenger Drown, 535.
 Melville Weston Fuller, 532.
 Charles Ellery Hale, 540.
 William Stewart Halsted, 540.
 William Williams Keen, 540.
 Franklin Paine Mall, 540.
 Eliakim Hastings Moore, 539.
 Edward Leamington Nichols, 540.
 Henry Fairfield Osborn, 540.
 Cyrus Guernsey Pringle, 540.
 Rufus Byam Richardson, 532.
 Thomas Day Seymour, 532.
 Henry Morse Stevens, 532.
 Charles Otis Whitman, 540.

Fellows, Associate, List of, 581.

Fellows, Resident, deceased, —
 Charles Carroll Everett, 539.
 Thomas Gaffield, 537.
 Nathaniel Holmes, 549.
 John Elbridge Hudson, 534.
 Sylvester R. Koehler, 534.
 Augustus Lowell, 534.

Fellows, Resident, elected, —
 William Ernest Castle, 531.
 Frank Shipley Collins, 539.
 Alexander Wilmer Duff, 539.
 Ephraim Emerton, 539.
 Merritt Lyndon Fernald, 531.
 Lewis Jerome Johnson, 539.
 Theodore Lyman, 539.
 Henry Lloyd Smyth, 539.
 Frank William Taussig, 539.
 Jay Backus Woodworth, 531.

Fellows, Resident, List of, 577.

Fernald, M. L., Some New Spermatophytes from Mexico and Central America, 489-506.

Fimbristylis alamosana, 491.
 Holwayana, 492.
 melanospora, 491.
 obscura, 492.

Foreign Honorary Members, deceased, —
 Jacob Georg Azarth, 542.
 Duc de Broglie, 549.
 Charles Hermite, 538.
 Willy Kühne, 534.
 Max Müller, 549.
 Baron Russell of Killowen, 534.
 Henry Sidgwick, 534.
 William Stubbs, 549.

Foreign Honorary Members, elected, —
 Edmondo de Amicis, 541.
 Sir Thomas Lander Brunton, 540.
 Albert Venn Dicey, 540.
 Sir Archibald Geikie, 532.
 William Edward Hearn, 540.
 Henry Jackson, 541.
 Robert Koch, 540.
 Hugo Kronecker, 540.
 Heinrich Müller-Breslau, 540.
 Sir John Murray, 532.
 Jules Henri Poincaré, 540.
 William Cawthorn Unwin, 532.

Foreign Honorary Members, List of, 583.

Fossil Crab from Gay Head, 1.

Fraprie, F. R. *See* Richards, T. W., and Fraprie, F. R.

Frost, E. B., Report of Progress to Rumford Committee, 521.

Gelasimus pugilator, 415.

Geometry on Ruled Quartic Surfaces, 17.

Glasgow, University of, Ninth Jubilee Celebration, 538, 542.

Glyphosperma Palmeri, 492.

Gray Herbarium of Harvard University, Contributions from, 453, 489.

Groups, Continuity of, 83.

Hale, G. E., Report of Progress to Rumford Committee, 522.

Hall, E. H., On the Thermal and Electrical Conductivity of Soft Iron, 119-141; Report of Progress to Rumford Committee, 523; An Exposition of the Theory of Electrons, the Electrical Fragments of Atoms, 542.

Hardystonite, 111.

Harvard Mineralogical Museum, Contributions from, 111.

Heat Capacity, Nomenclature of, 325.

Heterotoma Goldmanii, 504.
 stenodonta, 504.

Hudson, E. J. *See* Mabery, C. F., and Hudson, E. J.

Hydrocarbons in Petroleum, 283.

Infinitesimal Transformations, 83.

International Atomic Weights, 169.

Ipomoea caudata, 498.

Iron, Conductivity of, 119.

Isopod Crustaceans, Tracks of, 67.

Jackson, C. L., and Behr, G. E., Symmetrical Triiodbenzol, 331-338.

Jackson, C. L., and Calhane, D. F., The Dinitro Compounds of Para-dibrombenzol, 533.

Jackson, C. L., and Cohoe, W. P., Certain Derivatives of Metadibromodinitrobenzol, 73-82.

Jackson, C. L., and Earle, R. B., On the Action of Soda Sulphite on Tribromodinitrobenzol, and Tribromtrinitrobenzol, 229-238.

Jackson, C. L., and Koch, W., On Certain Derivatives of Ortho-benzoquinone, 195-228.

Jackson, R. T., Resorption as a Factor in Growth, 541.

Japanese Petroleum, 295.

Koch, W. *See* Jackson, C. L., and Koch, W.

Laboulbeniaceae, 395.

Laws, F. A., An Apparatus for recording Alternating Current Waves, 319-324; Report of Progress to Rumford Committee, 523.

Lewis, G. N., A New conception of Thermal Pressure, and a Theory of Solutions, 143-168; The Law of Physico-chemical Change, 542.

Librarian, Report of, 528.

Limulus polyphemus, 64; Trails of, 61.

Lobelia gruina, var. conferta, 503.
 Nelsonii, 503.
 regalis, 503.

Lowell, A., Bequest of, 534, 536.

Lyman, T., False Spectra from the Rowland Concave Grating, 239-252.

Mabery, C. F., Investigations on the Composition of Petroleum, 253-304.

Mabery, C. F., and Hudson, E. J., On the Composition of California Petroleum, 255-283.

Mabery, C. F., and Sieplein, O. J.,
On the Chlorine Derivatives of
the Hydrocarbons in California
Petroleum, 283-295.

Mabery, C. F., and Takano, S., On
the Composition of Japanese
Petroleum, 295-304.

Magnesic Oxalate, 375.

Manganous Sulphate, 507.

Marbles, Thermal Diffusivities of,
11.

Mayer, 328.

McCaffrey, C. F. *See* Richards, T.
W., McCaffrey, C. F., and
Bisbee, H.

Melampodium, Synopsis of, 455.

Melampodium Achillaeoides, 465.

- Americanum, 459, 466.
- angustifolium, 461.
- appendiculatum, 457.
- appendiculatum, var. leiocarpum, 457.
- appendiculatum, var. sonorense, 457.
- arenicola, 457.
- arvense, 464.
- australa, 465.
- Baranguillae, 465.
- Berterianum, 465.
- bibracteatum, 465.
- brachyglossum, 465.
- camphoratum, 463.
- cinereum, 458.
- cinereum, var. argophyllum, 458.
- cinereum, var. ramosissimum, 458.
- copiosum, 465.
- coronopifolium, 465.
- cupulatum, 463.
- diffusum, 460.
- diffusum, var. lanceolatum, 460.
- digynum, 465.
- divaricatum, 465.
- Dombeyanum, 466.
- flaccidum, 464.
- glabrum, 465.
- gracile, 462.
- heterophyllum, 460.
- Hildalgoa, 466.
- hirsutum, 466.
- hispidum, 464.
- humile, 466.
- Kunthianum, 460.
- lanceolatum, 466.

Melampodium leucanthum, 458.

- Liebmanni, 466.
- linearilobum, 459.
- longicornu, 457.
- longifolium, 465, 466.
- longipes, 459.
- longipilum, 458.
- manillense, 466.
- microcephalum, 462, 466.
- mimulifolium, 462.
- montanum, 463.
- oblongifolium, 462.
- ovatifolium, 466.
- paludicola, 456, 466.
- paludosum, 463.
- panamense, 466.
- paniculatum, 462, 466.
- perfoliatum, 465.
- Pringlei, 461.
- pumilum, 466.
- ramosissimum, 466.
- rhomboideum, 466.
- Rosei, 461.
- Rosei, var. subintegrum, 462.
- ruderale, 466.
- sericeum, 459, 466.
- sericeum, var. brevipes, 466.
- sericeum, var. exappendiculatum, 459.
- sericeum, var. longipes, 466.
- sinuatum, 461.
- suffruticosum, 456.
- tenellum, 463.
- ternatum, 466.

Melczer, G. *See* Wolff, J. E.

Merostomatous Trails, 61.

Merostomichnites beccheri, 67.

- narragansettensis, 70.

Metadibromdinitrobenzol, 73.

Meteorological Observations, 305.

Mimosa acanthocarpa, var. desmanthocarpa, 472.

- eurycarpoides, 472.
- ionema, 473.
- Watsoni, 473.

Montanoa arborescens, 487.

Monarda Pringlei, 501.

Nichols, E. L., Report of Progress to
Rumford Committee, 523.

Nocca, Synopsis of, 467.

Nocca angustifolia, 470.

- biflora, 468.
- decipiens, 470.
- glandulosa, 470.

Nocca helianthifolia, 468.
 helianthifolia, var. *levior*, 468.
 helianthifolia, var. *suaveolens*, 468.
 heteropappus, 470.
 Liebmantii, 470.
 Mociniana, 469.
 mollis, 471.
 Palmeri, 471.
 Pringlei, 469.
 rigida, 469.
 tomentosa, 470.
 Nomenclature of Heat Capacity, 325.
 Nominating Committee, 535.
 Officers elected, 530, 538; List of, 576.
 Orthobenzoquinone, 195.
 Packard, A. S., A New Fossil Crab from the Miocene Greensand Bed of Gay Head, 1-9; On Supposed Merostomatous and Other Paleozoic Arthropod Trails, 61-71.
 Paraphesis chiapensis, 497.
 Pectis Lessingii, 506.
 Peirce, B. O., Report of Progress to Rumford Committee, 525.
 Peirce B. O., and Wilson, R. W., On the Thermal Diffusivities of Different Kinds of Marble, 11-16.
 Pernettya ovata, 496.
 Petroleum, 253.
 Physalis puberula, 502.
 Physical Laboratory of the Massachusetts Institute of Technology, Contributions from, 319.
 Pickering, E. C., Report of Progress to Rumford Committee, 524.
 Piqueria pyramidalis, 475.
 Plateanus glabrata, 493.
 Quartic Surfaces, 17.
 Records of Meetings, 517.
 Reissner's Fibre, 443.
 Rhizomyces gibbosus, 409.
 Rhodes, J. F., Sherman's March to the Sea, 536.
 Richards, T. W., International Atomic Weights, 169-176; Suggestion concerning the Nomenclature of Heat Capacity, 325-329; Report of Progress to Rumford Committee 526; A Table of Atomic Weights, 545-546.
 Richards, T. W., and Archibald, E. H., A Study of Growing Crystals by Instantaneous Microphotography, 339-353.
 Richards, T. W., and Fraprie, F. R., The Solubility of Manganese Sulphate, 507-514.
 Richards, T. W., McCaffrey, C. F., and Bisbee, H., The Occlusion of Magnesic Oxalate by Calcic Oxalate, and the Solubility of Calcic Oxalate, 375-393.
 Robinson, B. L., Synopsis of the genus *Melampodium*, 455-466; Synopsis of the genus *Nocca*, 467-471; New Species and newly noted Synonymy among the Spermatophytes of Mexico and Central America, 471-488; Recent Advances in the General Classification of the Flowering Plants, 541.
 Ross, D. W., Design as a Science, 355-374.
 Rowland Concave Grating, 239.
 Ruellia cupheoides, 502.
 Rumford Committee, Report of, 519; Reports of Progress to, 521.
 Rumford Fund, Papers published by Aid of, 11, 119, 239, 339.
 Rumford Premium, 595; Award of, 520, 529.
 Russelia Deamii, 474.
 trachyleura, 474.
 Sabine, W. C., Report of Progress to Rumford Committee, 526; The Influence of Architecture on Melody and the Development of the Musical Scale, 537.
 Salvia ageratifolia, 499.
 albicans, 501.
 Dugesii, 500.
 iguensis, 500.
 leucantha, for. *iobaphes*, 501.
 setulosa, 499.
 Sessei, 501.
 tiliaefolia, var. *rhyacophila*, 499.

Sargent, P. E., The Development and Function of Reissner's Fibre, and its Cellular Connections, 443-452.

Schefferite, 111.

Sieplein, O. J. *See* Mabery, C. F., and Sieplein, O. J.

Slocum, S. E., On the Continuity of Groups generated by Infinitesimal Transformations, 83-109.

Sodic Sulphite, 229.

Solanum rostratum, var. *subintegrum*, 502.

Solar Eclipse of May 28, 1900, 305.

Solidago Pringlei, 505.

Solubility of Calcic Oxalate, 375; of Manganese Sulphate, 507.

Solutions, Theory of, 143.

Spectra, False, from the Rowland Concave Grating, 239.

Spelerves bilineatus, 177.

Spermatophytes from Mexico and Central America, 471, 489.

Statutes and Standing Votes, 585.

Stigmatomyces constrictus, 401.

- Diopsis, 399.
- dubius, 402.
- gracilis, 403.
- humilis, 401.
- Hydrelliae, 404.
- Limnophorae, 400.
- Limosinae, 406.
- Papuanus, 407.
- proboscideus, 403.
- purpureus, 404.
- rugosus, 398.
- Scaptomyzae, 400.
- spiralis, 405.

Symmetrical Triiodbenzol, 331.

Takano, S. *See* Mabery, C. F., and Takano, S.

Thaxter, R., Preliminary Diagnoses of New Species of Laboulbeniaceae, 395-414.

Thermal Conductivity of Iron, 119.

Thermal Diffusivities of Marbles, 11.

Thermal Pressure, 143.

Trails, Arthropod, 61.

Transformations, Infinitesimal, 83.

Treasurer, Report of, 517.

Tribromodinitrobenzol, 229.

Tribromtrinitrobenzol, 229.

Triiodbenzol, 331.

Trowbridge, J. Results obtained with a Storage Battery of Twenty Thousand Cells, 582.

Valeriana retrorsa, 502.

Variation in Fiddler Crab, 415.

Warren (C. M.) Committee, Report of, 527.

Warren (C. M.) Fund, Aid from, 253.

Wendell, B., Literary History of America, 535.

Williams, F. B., Geometry on Ruled Quartic Surfaces, 17-60.

Willson, R. W. *See* Peirce, B. O., and Willson, R. W.

Wolff, J. E., On Hardystonite and a Zinc Schefferite from Franklin Furnace, N. J.; with a note on the Optical Constants of the Schefferite by Dr. G. Melczer, 111-118.

Wright, J. H., Recent Excavations in Crete, 535.

Xanthocephalum megalcephalum, 505.

Yerkes, R. M., A Study of Variation in the Fiddler Crab, *Gelasimus pugilator* Latr., 415-442.

Zarabellia, 460.

Zoological Laboratory of the Museum of Comparative Zoölogy at Harvard College, Contributions from, 177, 415, 443.

